

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10081953
	Filing Date		2002-02-22
	First Named Inventor	Hennen et al.	
	Art Unit	1648	
	Examiner Name	S. Chen	
Attorney Docket Number		4428.2US (4Life-1-US-D2)	

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4357272		1982-11-02	Polson	
	2	4956349		1990-09-11	Beck	
	3	6217865		2001-04-17	Hunchar	
	4	6468534		2002-10-22	Hennen et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SBC/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

1	9005536	WO	1990-05-31	Teichmann	<input type="checkbox"/>
2	9200087	WO	1992-01-09	Kirkpatrick et al.	<input type="checkbox"/>
3	9200093	WO	1992-01-09	Kirkpatrick et al.	<input type="checkbox"/>
4	1306946	CA	1992-01-09	Ghen Corporation	<input type="checkbox"/>
5	0225254	EP	1987-06-10	Forvest Limited	<input type="checkbox"/>
6	62215534	JP	1987-09-22	Fuoobesuto KK	<input type="checkbox"/>
7	6564886	AU	1987-05-28	Ghen Corporation	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	"Grow Healthy Chicks Information Sheets," available from www.msstate.edu/dept/poultry/growchix.htm , last modified June 24, 1997.	<input type="checkbox"/>
	2	"Small flock Factsheet, Number 9," available from www.ext.vt.edu/pubs/poultry/factsheets/9.html , posted October 1997.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SBC/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

3	ARAMAKI et al., "Presence of Activated B-1 Cells in Chronic Inflamed Gingival Tissue," Journal of Clinical Immunology, 1998;18(6):421-429.	<input type="checkbox"/>
4	BAUMGARTH, "A two-phase model of B-cell activation," Immunological Reviews, 2000;176:171-180.	<input type="checkbox"/>
5	BENIGNO, Recipe from Southern Living's, 1982, Annual Recipes, Oxmoor House, Inc., Birmingham, 1982.	<input type="checkbox"/>
6	BRUNSER et al., "Field trial of an infant formula containing anti-rotavirus and anti-Escherichia coli milk antibodies from hyperimmunized cows," J Pediatr Gastroenterol Nutr. 1992 Jul;15(1):63-72 (Abstract).	<input type="checkbox"/>
7	BURNIE et al., "The renaissance of antibody therapy," Journal of Antimicrobial Chemotherapy, 1998;41:319-322.	<input type="checkbox"/>
8	CASADEVALL et al., "Return to the Past: The Case for Antibody-Based Therapies in Infectious Diseases," Clinical Infectious Diseases 1995;21:150-161.	<input type="checkbox"/>
9	DAVIDSON et al., "Passive immunisation of children with bovine colostrum containing antibodies to human rotavirus," Lancet. 1989 Sep 23;2(8665):709-712 (Abstract).	<input type="checkbox"/>
10	DEFRANCO, "B-cell activation 2000," Immunological Reviews 2000, 2000;176:5-9.	<input type="checkbox"/>
11	DUNNICK et al., "Lack of Antigen Fragments in Guinea Pig Transfer Factor-like Activity," Clinical Immunology, and Immunopathology, 1980;17:55-65.	<input type="checkbox"/>
12	EBINA et al., "Prevention of rotavirus infection by oral administration of cow colostrum containing antihuman rotavirus antibody," Med Microbiol Immunol (Berl). 1985;174(4):177-185 (Abstract).	<input type="checkbox"/>
13	FAYER et al., "Hyperimmune bovine colostrum neutralizes Cryptosporidium sporozoites and protects mice against oocyst challenge," J Parasitol. 1989 Feb;75(1):151-153 (Abstract).	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

14	GALILI et al., "Interaction Between Human Natural Anti-a-Galactosyl Immunoglobulin G. and Bacteria of the Human Flora," Infection and Immunity, July 1988 Jul;56(7):1730-1737.	<input type="checkbox"/>
15	Gel Filtration: Theory and Practice, Pharmacia Fine Chemicals (Editor), 1980, page 9.	<input type="checkbox"/>
16	GOLAY et al., "Cholesterol-lowering effect of skim milk from immunized cows in hypercholesterolemic patients," Am J Clin Nutr. 1990 Dec;52(6):1014-1019 (Abstract).	<input type="checkbox"/>
17	GOUGH et al., "Immune responses of breeding chickens to trivalent oil emulsion vaccines: Responses to infectious bronchitis," The Veterinary Record. 1981 Jan 31;108:99-101.	<input type="checkbox"/>
18	GRIEVE et al., "Dirofilaria Immitis: Cell-Mediated and Humoral Immune Responses in Experimentally-Infected Dogs," International Journal for Parasitology, 1979;9:275-279.	<input type="checkbox"/>
19	GUTIERREZ et al., "Chapter 3: Nutritive Evaluation of Hen Eggs," Hen Eggs – Their Basic and Applied Science. (1997) pp. 25-35.	<input type="checkbox"/>
20	HANSEN et al., "The Occurrence and Sources of Natural Antibody in Human Bile and Serum Against the O Antigens of Two Escherichia coli Serotypes," Scand. J. Immunol., 1990;32:537-544.	<input type="checkbox"/>
21	KHAN et al., "Porcine 987P glycolipid receptors on intestinal brush borders and their cognate bacterial ligands," Infect Immun. 1996 Sep;64(9):3688-3693 (abstract).	<input type="checkbox"/>
22	KIRKPATRICK, "Activities and Characteristics of Transfer Factors", Biotherapy, 1996;9(13-16):13-16.	<input type="checkbox"/>
23	KUBY, "Cell-Mediated and Humoral Effector Responses," Immunology, 1997, chapter 16, pp. 393-398.	<input type="checkbox"/>
24	LAWRENCE et al., "Transfer Factor in Delayed Hypersensitivity," Annals of the New York Academy of Sciences, 1970 Feb 13;169(1):269-279.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SBC/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428 2US (4Life-1-US-D2)

25	MACPHERSON et al., "A Primitive T Cell-Independent Mechanism of Intestinal Mucosal IgA Responses to Commensal Bacteria," Science, 2000 Jun;288:2222-2226.	<input type="checkbox"/>
26	MIETENS et al., "Treatment of infantile E. coli gastroenteritis with specific bovine anti-E. coli milk immunoglobulins," Eur J. Pediatr. 1979;132(4):239-252 (Abstract).	<input type="checkbox"/>
27	MOSS et al., "Candidate vaccines for Epstein-Barr virus," British Medical Journal, 1998 Aug;317:423-424.	<input type="checkbox"/>
28	NAGY, "Enterotoxigenic Escherichia coli (ETEC) in farm animals," Vet Res. 1999 Mar-Jun;30(2-3):259-284 (abstract).	<input type="checkbox"/>
29	Newcastle Disease Virus, National Cancer Institute website printed out on October 22, 2004: http://www.nci.nih.gov/cancer_information/doc.aspx?viewid=284ad06f-682d-43df-bccf-4943a09c1e98 .	<input type="checkbox"/>
30	NEZLIN, "The Immunoglobulins Structure and Function," Department of Immunology, The Weizmann Institute of Science, Rehovot, Israel, 1998 4 pages.	<input type="checkbox"/>
31	ORMROD et al., "The anti-inflammatory activity of a low molecular weight component derived from the milk of hyperimmunized cows," Agents and Actions. 1991;32:160-166.	<input type="checkbox"/>
32	ORMROD et al., "Milk from hyperimmunized dairy cows as a source of a novel biological response modifier," Agents Actions Special Conference Issue. 1993;38:146-149.	<input type="checkbox"/>
33	OWENS et al., "Effect of a milk-derived factor on the inflammatory response to Staphylococcus aureus intramammary infection," Veterinary Immunology and Immunopathology. 1992;30:233-246.	<input type="checkbox"/>
34	OWENS et al., "Evaluation of an Anti-Inflammatory Factor Derived from Hyperimmunized Cows," Proceedings of the Society for Experimental Biology and Medicine. 1988;190:79-86.	<input type="checkbox"/>
35	PETERSEN et al., "Murine Transfer Factor, Description of the model and Evidence for Specificity," The Journal of Immunology, 1981 Jun;126(6):2480-2484.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

36	PRICE et al., "Reactivation of Latent Herpes Simplex Virus Infection of the Autonomic Nervous System by Postganglionic Neurectomy," Infection and Immunity, 1978 Feb;19(2):523-532.	<input type="checkbox"/>
37	ROITT et al., Immunology, 1989, pp. 15.5-15.16.	<input type="checkbox"/>
38	SEWELL et al., "The Natural Antibody Response to E. coli Includes Antibodies of the IgD Class," Clin. Esp. Immunol., 1978;31:104-110.	<input type="checkbox"/>
39	SHARPE et al., "Cholesterol-lowering and blood pressure effects of immune milk," Am J Clin Nutr. 1994 Apr;59 (4):929-934 (Abstract).	<input type="checkbox"/>
40	SINGH, G., "Determination of antibody levels in egg-yolks from laying hens vaccinated against Newcastle disease," Indian Journal of Animal Sciences. 1995 Apr;65(4):388-392.	<input type="checkbox"/>
41	SKARNES, "Humoral Bactericidal Systems: Nonspecific and Specific Mechanisms, Infection and Immunity," 1978 Feb;19(2):555-522.	<input type="checkbox"/>
42	SNAPPER et al., "An In Vitro Model for T Cell-Independent Induction of Humoral Immunity," Journal of Immunology, pp. 4884-4892.	<input type="checkbox"/>
43	SONG et al., "Light Chain of Natural Antibody Plays a Dominant Role in Protein Antigen Binding, Biochemical and Biophysical Research Communications," 2000;268:390-394.	<input type="checkbox"/>
44	STAAF et al., "Structure determination of the O-antigenic polysaccharide from the enterotoxigenic Escherichia coli (ETEC) O101," Carbohydr Res 1997 Jan 17;297(3):297-299.	<input type="checkbox"/>
45	STELWAGEN et al., "An anti-inflammatory component derived from milk of hyperimmunized cows reduces tight junction permeability in vitro," Inflammation Research. 1998;47:384-388.	<input type="checkbox"/>
46	SYMMERS et al., "Antitoxin Treatment of Erysipelas," CID 1995 Jul;21:152-161.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SBC/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

47	TSANG et al., "Transfer Factor and Other T Cell Products," Springer Seminars in Immunopathology, 1986;9:19-32.	<input type="checkbox"/>
48	WAWRZYNCZAK, "Antibody Therapy," Rothschild Bioscience Unit, BIOS Scientific, London, 1995, pp. 9-11.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Stacy B. Chen/	Date Considered	11/09/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SBC/